

# **San Joaquin River Research and Riparian Restoration Project**



**Submitted By:**

**The San Joaquin County Council of Governments**

Proposal # <b>2001- C-210</b> (Office Use Only)
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**PSP Cover Sheet** (Attach to the front of each proposal)

Proposal Title: San Joaquin River Research and Riparian Restoration Project  
 Applicant Name: San Joaquin County Council of Governments  
 Contact Name: Jerry Park  
 Mailing Address: 6 S. El Dorado St., Suite 400 Stockton, CA 95202  
 Telephone: (209) 468-3913  
 Fax: (209) 468-1084  
 Email: landplan@mlode.com

Amount of funding requested: \$ 59,000

Some entities charge different costs dependent on the source of the funds. If it is different for state or federal funds list below.

State cost N/A Federal cost N/A

Cost share partners? X Yes      No (Land donation)

Identify partners and amount contributed by each San Joaquin Open Space & Farmland Trust

Estimated land value: \$48,150

Indicate the Topic for which you are applying (check only one box).

- |  |  |
|--|--|
| <input type="checkbox"/> Natural Flow Regimes                                    | <input type="checkbox"/> Beyond the Riparian Corridor                |
| <input type="checkbox"/> Nonnative Invasive Species                              | <input type="checkbox"/> Local Watershed Stewardship                 |
| <input checked="" type="checkbox"/> Channel Dynamics/Sediment Transport/Rip. Veg | <input type="checkbox"/> Environmental Education                     |
| <input type="checkbox"/> Flood Management  | <input type="checkbox"/> Special Status Species Surveys and Studies  |
| <input type="checkbox"/> Shallow Water Tidal/ Marsh Habitat                      | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants  | <input type="checkbox"/> Fish Screens                                |

What county or counties is the project located in? San Joaquin County

What CALFED ecozone is the project located in? See attached list and indicate number. Be as specific as possible  
1 ~~Delta Ecological Zone~~; Small portion possibly in (11) East side Delta Tributaries Eco Zone

Indicate the type of applicant (check only one box):

- |   |   |
|---|---|
| <input type="checkbox"/> State agency                         | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture      | <input type="checkbox"/> Non-profit     |
| <input checked="" type="checkbox"/> Local government/district | <input type="checkbox"/> Tribes         |
| <input type="checkbox"/> University                           | <input type="checkbox"/> Private party  |
| <input type="checkbox"/> Other: _____                         |   |

**Indicate the primary species which the proposal addresses (check all that apply):**

- |  |  |
|--|--|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input type="checkbox"/> Spring-run chinook salmon |
| <input type="checkbox"/> Winter-run chinook salmon   | <input type="checkbox"/> Fall-run chinook salmon   |
| <input type="checkbox"/> Late-fall run chinook salmon  | <input type="checkbox"/> Longfin smelt             |
| <input type="checkbox"/> Delta smelt   | <input type="checkbox"/> Steelhead trout           |
| <input type="checkbox"/> Splittail   | <input type="checkbox"/> Striped bass              |
| <input type="checkbox"/> Green sturgeon  | <input type="checkbox"/> All chinook species       |
| <input type="checkbox"/> White Sturgeon  | <input type="checkbox"/> All anadromous salmonids  |
| <input checked="" type="checkbox"/> Waterfowl and Shorebirds                                 | <input type="checkbox"/> American shad             |
| <input checked="" type="checkbox"/> Migratory birds  |  |

☒ Other listed T/E species: Valley elderberry longhorn beetle, Delta button celery, Swainson's hawk, yellow-billed cuckoo and other special status species -

**Indicate the type of project (check only one box):** possibly riparian brush rabbit

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Research/Monitoring | <input type="checkbox"/> Watershed Planning |
| <input type="checkbox"/> Pilot/Demo Project             | <input type="checkbox"/> Education          |
| <input type="checkbox"/> Full-scale Implementation      |   |

Is this a next-phase of an ongoing project? Yes \_\_\_\_\_ No x

Have you received funding from CALFED before? Yes \_\_\_\_\_ No x

If yes, list project title and CALFED number N/A

Have you received funding from CVPIA before? Yes \_\_\_\_\_ No x

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable): N/A

**By signing below, the applicant declares the following:**

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

Andrew T. Chesley  
Printed name of applicant

Andrew T. Chesley  
Signature of applicant

## **B. Executive Summary**

**Proposal Title:** San Joaquin River Research and Riparian Restoration Project  
**Amount of Funding Requested:** \$59,000 (Phase I)  
**Applicant Name:** San Joaquin County Council of Governments  
**Mailing Address:** 4 S. El Dorado St., Suite 400, Stockton, CA 95202  
**Telephone:** (209) 468-3913 **Fax:** (209) 468-1084 **E-mail:** landplan@mlode.com  
**Participants and Collaborators:**

The San Joaquin County Council of Governments is a regional planning agency. Member agencies are: the Cities of Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy and the County of San Joaquin

**Project Description:** The proposed project is the first step in a planned three-phased project to test alternative riparian restoration strategies. This proposal requests funding for the first phase, the identification of appropriate alternative restoration strategies to be tested on a 32.1± acre island within the San Joaquin River which is subject to periodic, partial flooding. Phase II will begin implementation of the research and restoration project by installing identified riparian vegetation using identified restoration strategies. Phase III will monitor the success of the various riparian restoration strategies to determine the most successful riparian restoration strategies. Successful strategies will be implemented by the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan, a 50-year multi-species habitat conservation plan to being implementation in San Joaquin County in 2000 and resulting in the acquisition of 100,841 acres of wildlife Preserves.

**Location:** A 32.1± acre island in the San Joaquin River directory northeast of 115± Acres managed by the CA Dpt. of Fish and Game in San Joaquin County. A Portion of Sections 26 and 35, T2S, R6E. Assessor's Parcel Number: 241-380-08.

**Type of Project:** Riparian Restoration/Local Government

**Project Objective(s):** Develop a better understanding of the factors influencing riparian re-vegetation success to improve performance of future restoration efforts.

**Approach:** Deliberately vary riparian restoration treatments and monitor success.

**Hypothesis Tested:** Some riparian restoration techniques have a greater likelihood of achieving success than others (as measured by survivability of native plant species, wildlife diversity, support of special status species, consistency with neighboring agricultural uses, erosion control, compatibility with river flooding, consistency with flood management goals and other measures which may be identified through the three-phase program).

**Uncertainties involved:** Riparian Vegetation - Which restoration techniques are most successful

**Expected outcome:** Identify successful riparian restoration methods which may be implemented on Preserve lands acquired through the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan.

**CALFED ERP Goals:** Goal 4: Protect or restore functional habitat types throughout the watershed for public values such as recreation, scientific research and aesthetics; Goal 2: Rehabilitate natural processes in the Bay-Delta system to support, with minimal ongoing human intervention, natural aquatic and associated terrestrial biotic communities, in ways that favor native members of those communities; Goal 5: Prevent establishment of additional non-native species and reduce the biological and economic impacts of established non-native species.

## C. Project Description

### 1. Statement of Problem

a. Problem: "In general, the success of riparian re-vegetation projects is often variable, usually because we do not understand the mechanisms that help dictate success. Developing a better understanding of the factors influencing riparian re-vegetation success could improve the performance of future restoration efforts" (PSP, pg. 32). The unpredictable nature of riparian restoration success is the problem to be addressed by the proposed project. Specifically, Phase I of the project will establish a riparian restoration plan for 32.1± acres of a San Joaquin River island which deliberately varies riparian restoration treatments and monitors the success of the various treatments to determine which treatments are most successful (as measured by survivability of native plant species, wildlife diversity, support of special status species, consistency with neighboring agricultural uses, erosion control, compatibility with river flooding, consistency with flood management goals and other measures which may be identified through the three-phase program). Phase II of the program will implement the Phase I Plan (i.e., establish vegetation using various identified treatments) and Phase III will monitor the success of the program, and adjust treatments through adaptive management, where necessary, to determine the most successful riparian restoration techniques.

The prime objective of the project is the development of a better understanding of the factors influencing riparian re-vegetation success to improve performance of future restoration efforts. Specifically, the results found on the experimental riparian restoration island will be used to guide future riparian restoration efforts undertaken along the Mokelumne River, Calaveras River, San Joaquin River, Stanislaus River and their tributaries within San Joaquin County as part of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan - SJMSCP). Consistent with the SJMSCP, specific benefits sought from the riparian restoration effort include improved habitat for native fishes, riparian mammals, and migratory songbirds in the riparian zone (see description of conceptual model for specific species and habitat goals). Results will be distributed to other planning efforts and agencies undertaking similar programs.

The following restoration guides will, at a minimum, be used to guide the restoration efforts, avoid duplication of efforts which have been shown to fail, and to build upon efforts which have indicated success:

U.S. Department of Agriculture, et al. (U.S. EPA, Tennessee Valley Authority, Federal Emergency Management Agency, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, U.S. Army Corps of Engineers, U.S. Dept. of Housing and Urban Development, U.S. Bureau of Land Management, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, National Park Service, U.S. Geological Survey) October, 1998. *Stream Corridor Restoration, Principles, Processes and Practices*. 565± pps.

U.S. Department of Agriculture. *Stream Corridor Inventory and Assessment Techniques - A*

*guide to site, project and landscape approaches suitable for local conservation programs*, Watershed Science Institute Technical Report., September 1999. 30 pps.

U.S. Department of Agriculture. *Assessing Conditions of Riparian-Wetland Corridors at the Areawide Level Using Proper Functioning Condition (PFC) methodology--an interdisciplinary assessment tool*, Watershed Science Institute Technical Report., September 1999. 15 pps.

U.S. Department of the Interior, Bureau of Land Management et., al. *Riparian Area Management - Using Aerial Photographs to Assess Proper Functioning Condition of Riparian -Wetland Areas*, 1999. 52 pps.

U.S. Department of the Interior, Bureau of Land Management et., al. *Riparian Area Management - A Use Guide to Assessing Proper Functioning Condition and the Supporting Science for Lotic Areas*, 1998. 126 pps.

**b. Conceptual Model:** The following provides an approximately outline of the Phase I work program which will be conducted by a professional land management organization to be hired through a competitive bidding process by the San Joaquin County Council of Governments with the guidance of a riparian restoration advisory panel including, at a minimum, representatives from the U.S. Fish and Wildlife Service, CA Dpt. of Fish and Game, U.S. Army Corps of Engineers, National Marine Fisheries (as available), U.S. Environmental Protection Agency (as available), representatives from local universities conducting riparian restoration research, local U.S. Dpt. of Agriculture Natural Resource Conservation Service professionals, local agricultural, conservation and other stakeholder interests.

The 32.1± acre San Joaquin River island will be inventoried to assess existing biological resources and assess existing ecological processes (e.g., the island is subject to regular flooding on at least a portion of the site). Past vegetative conditions and existing vegetative conditions in the vicinity of the relatively denuded riparian island will be used to establish an appropriate vision of the types of vegetation appropriate to the island and the types of species, in particular special status species, which might be encouraged to inhabit the site. Results of riparian restoration management efforts on the nearly adjacent 115± acres managed by the CA Dpt. of fish and Game will be included in this assessment. Compatible with the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan, the following vegetative communities and species are expected to be targeted by the restoration effort:

**Vegetation:** The San Joaquin County Multi-Species Habitat Conservation and Open Space Plan Vegetation Maps<sup>1</sup> indicate that the 32.1± acre island is currently composed of:

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<sup>1</sup> As defined in the SJMSCP Biological Analysis (Toyon, 1996).

G (Valley Grasslands): May have consisted of perennial grasses at one time but are now dominated by introduced annual grass species such as soft chess (*Bromus [mollis] hordeaceus*), wild oats (*Avena* sp.), ripgut brome (*Bromus diandrus*), red brome (*Bromus madritensis* ssp. *rubens*), foxtail fescue (*Vulpia myuros* var. *myuros*), mouse barley (*Hordeum murinum*), annual rye grass (*Lolium multiflorum*) and various forbs such as filaree (*Erodium* spp.), bur clover (*Medicago polymorpha*), starthistle (*Centaurea* spp.), fiddleneck (*Amsinckia* spp.), and other native and introduced herbaceous plants.

W7 (Freshwater Emergent Wetland): The vegetation of Freshwater Emergent Wetland is characterized by tall, slender, perennial plants capable of growing in sediments that are inundated or saturated for long periods of time. On the average the plant species of these wetlands have adapted or evolved to have dense, fibrous root systems to hold against the current in soft sediment, a smooth, branchless body to create only minor resistance to the current, and an anatomy that includes air chambers and passages through the tall (up to 20 feet) plant body so that gases may continue to be exchanged with those parts that are under water. The typical species of the wetland are the tules or giant bulrushes (*Scirpus californicus* and *Scirpus acutus*), river bulrush (*Scirpus fluviatilis*), common threesquare (*Scirpus pungens*) and Olney's bulrush (*Scirpus americanus*), at least two species of cattails (*Typha latifolia* and *Typha domingensis* and their hybrids) and spikerush (*Eleocharis* spp.), nutgrass (*Cyperus eragrostus*), and barnyard grass (*Echinochloa crusgalli*). Floating between the upright plants are pretty water smartweed (*Polygonum coccineum*) and yellow water weed (*Ludwigia [Jussiaea] peploides* ssp. *peploides*) that may be a serious aquatic weed.

R2 (Great Valley Oak Riparian Forest): Similar to vegetation found at Caswell Memorial State Park. Consists of tall valley oak (*Quercus lobata*), Northern California black walnut (*Juglans californica* var. *hindsii*), box elder (*Acer negundo* var. *californicum*), western sycamore (*Platanus racemosa*), and Oregon ash (*Fraxinus latifolia*) trees with lianas of California wild grape (*Vitis californica*), and virgin's bower (*Clematis ligusticifolia*) with tangles of wild rose (*Rosa californica*), poison oak (*Toxicodendron diversilobum*), and blackberry covering the ground. This forest occurs on the highest parts of the current floodplain and decreases in dominance when flooding no longer occurs or access to groundwater is restricted. This unit is equivalent to Central Valley Riparian Mapping Project (CVRMP) map unit R1v. Mixed stands would be Great Valley Riparian Forest and the equivalent = R1.

S (Great Valley Scrub): One or more of the following shrubby species may occur along river and stream courses: sandbar or narrow-leaved willow (*Salix [hindsiana] exigua*), shining willow (*Salix lucida* ssp. *lasiandra*), arroyo willow (*Salix lasiolepis*), buttonbush (*Cephalanthus occidentalis*), mule fat (*Baccharis viminea*), and blue elderberry (*Sambucus mexicanus*). These form an open to closed thicket along the banks of the water course. The CVRMP equivalent is R2.

It is anticipated that valley grassland habitat, in particular, will be targeted for restoration

to the other three native habitats found on the site with eradication of non-native invasive species, in particular, star thistle. Remaining native habitats are currently degraded and will not be removed, but rather will be enhanced to more closely resemble the "ideal" native habitat descriptions found above as was once evident along the San Joaquin River and without the nonnative invasives including *Ludwigia*.

**Wildlife Species:** The San Joaquin County Multi-Species Habitat Conservation and Open Space Plan Biological Analysis indicates that the following special status species are known to occur within or immediately along the San Joaquin River between its confluence with the Stanislaus River and confluence with Old River in San Joaquin County (the location of the project island within the San Joaquin River):

#### Plants

Slough thistle (*Cirsium crassicaule*)  
Delta button celery (*Eryngium racemosum*)

#### Birds

Tricolor blackbird (*Agelaius tricolor*)  
Great egret (*Ardea alba*)  
Swainson's hawk -nesting (*Buteo swainsoni*)  
Yellow warbler (*Dendroica petechia brewsteri*)  
Black-crowned night heron (*Nycticorax nycticorax*)

#### Mammals

Riparian woodrat (*Neotoma fuscipes riparia*)

Riparian restoration efforts will target long-term survival for these species.

In addition, the following special status species are expected to benefit, or to be targeted by riparian restoration efforts given the targeted habitats (R2, W7 and S):

#### Invertebrates

Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*)

#### Birds

Cooper's hawk (*Accipiter cooperi*)  
Sharp-shinned hawk (*Accipiter striatus*)  
Western grebe (*Aechmophorus occidentalis*)  
Great blue heron (*Ardea herodias*)  
Northern harrier (*Circus cyaneus*)



Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*)  
Snowy egret (*Egretta thula*)  
White-tailed kite (*Elanus leucurus*)  
Yellow-breasted chat (*Ictaria virens*)

#### Reptiles

Western pond turtle (*Clemmys marmorata*)

#### Mammals

Riparian brush rabbit (*Sylvilagus bachmani riparius*)

\* dependent upon assessment of the islands flooding history

Professional land management professionals will be asked to submit competitive bids to prepare a riparian restoration research plan following parameters established by the riparian restoration advisory team (see preceding). Bidders will be encouraged to take a creative approach which, at a minimum, deliberately varies riparian restoration treatments, such as differing layering of silt, sand, and gravel to provide a range of substrate conditions, different planting patterns, differing distances of planting from the channel, assessing various plant associates most conducive to special status species success, and including a monitoring of various success-related factors including monitoring water table elevations, frequency of watering, variable sizes of initial plantings versus long-term success, interference by invasive species, compatibility of treatments and management efforts with adjacent agricultural practices, root growth patterns and rates to provide insights into the role of soil texture in root growth, riparian planting success and ability of riparian plants to resist flood scour.

#### c. Hypotheses being tested:

N<sub>o</sub> = No significant increases in success of riparian restoration efforts on habitat preserves will result from project implementation as compared to before program implementation.

N<sub>A</sub> = A significant increase in the success of riparian restoration efforts will occur on riparian restoration preserves after program implementation in comparison to success rates before program implementation.

NOTE: "Success" as measured by survivability of native plant species, wildlife diversity, support of special status species, consistency with neighboring agricultural uses, erosion control, compatibility with river flooding, consistency with flood management goals and other measures which may be identified through the three-phase program.

d. Adaptive Management:

The San Joaquin County Multi-Species Habitat Conservation and Open Space Plan already includes an extensive adaptive management program. That adaptive management program will be reflected in the proposed project to the maximum extent feasible. More specifically, adaptive management is a key element of the proposed project. Unsuccessful riparian restoration efforts on the 32.1± acre island will be analyzed to determine the reasons for failure. These vegetation patches will be manipulated on the island after failure is determined as necessary to achieve successful riparian restoration. In this manner, valuable information will be gained for "repairing" unsuccessful riparian restoration efforts.

e. Educational Objectives:

The prime objective of the project is the development of a better understanding of the factors influencing riparian re-vegetation success to improve performance of future restoration efforts. Specifically, the results found on the experimental riparian restoration island will be used to guide future riparian restoration efforts undertaken along the Mokelumne River, Calaveras River, San Joaquin River, Stanislaus River and their tributaries within San Joaquin County as part of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan - SJMSCP). Consistent with the SJMSCP, specific benefits sought from the riparian restoration effort include improved habitat for native fishes, riparian mammals, and migratory songbirds in the riparian zone (see description of conceptual model for specific species and habitat goals). Results will be distributed to other planning efforts and agencies undertaking similar programs.

**2. Proposed Scope of Work**

a. Location and/or Geographic boundaries of the Project.

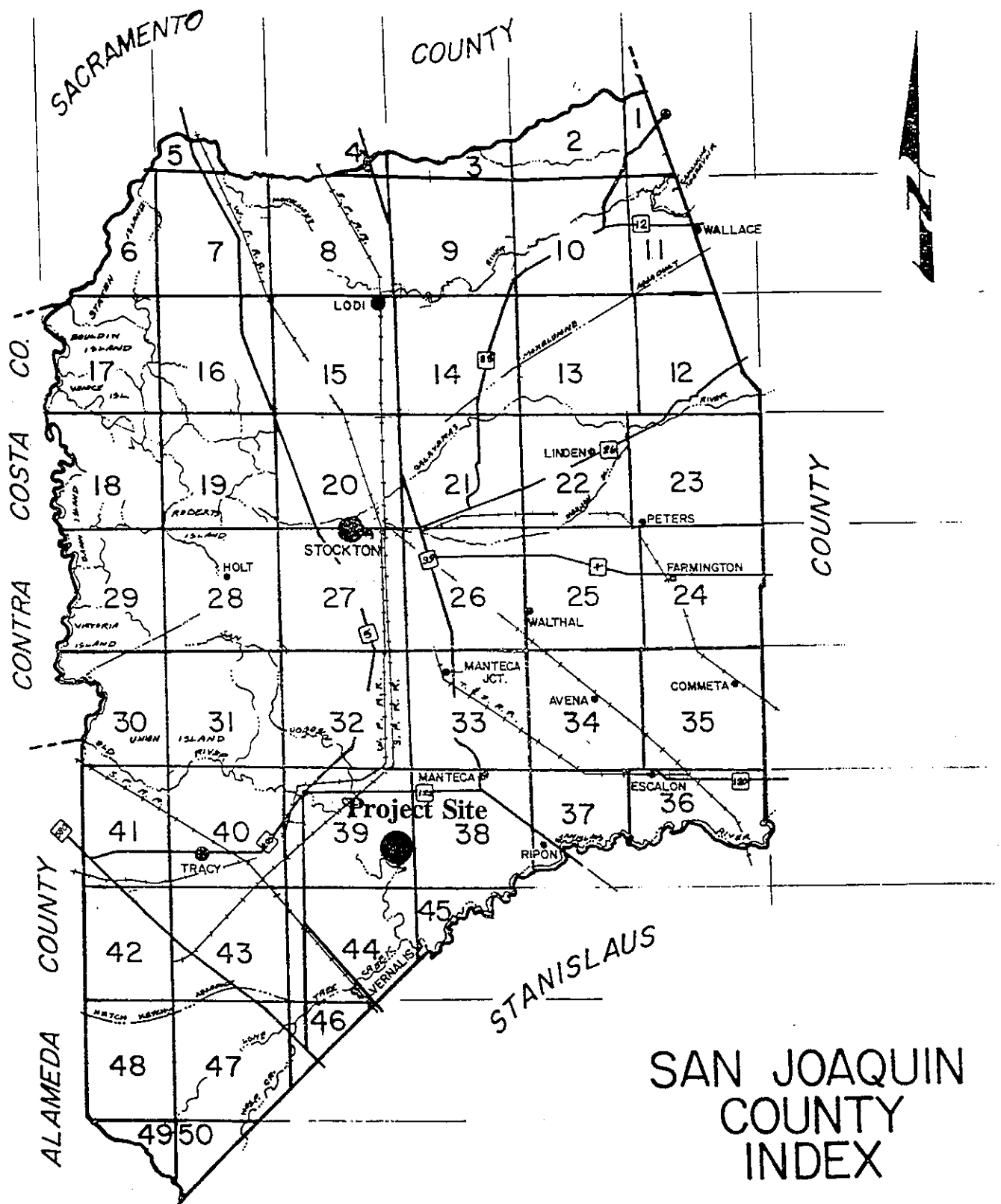
The project is located in San Joaquin County primarily within the Delta (1) Ecological Zone with and possibly extending into the East Side Delta Tributaries Ecological Zone (11). The site is a 32.1± acre island in the San Joaquin River directly northeast of 115± Acres managed by the CA Dpt. of Fish and Game and just a few river miles north of the San Joaquin River's confluence with the Stanislaus River. The center of the project site is located at approximately UTM Coordinates: 652000 (UTM E)/4176500 (UTM N). A Portion of Sections 26 and 35, T2S, R6E. Assessor's Parcel Number: 241-380-08. See attached map and photos.

b. Approach

Please refer to response to item 1(b)/Conceptual Model, above.

c. Monitoring and Assessment Plans.

Phase I of the project includes the design phase of the project which will include preparation of



# San Joaquin River Research and Restoration Project



1" = 1/2 Mile

Project Site

San Joaquin River

San Joaquin River

San Joaquin River

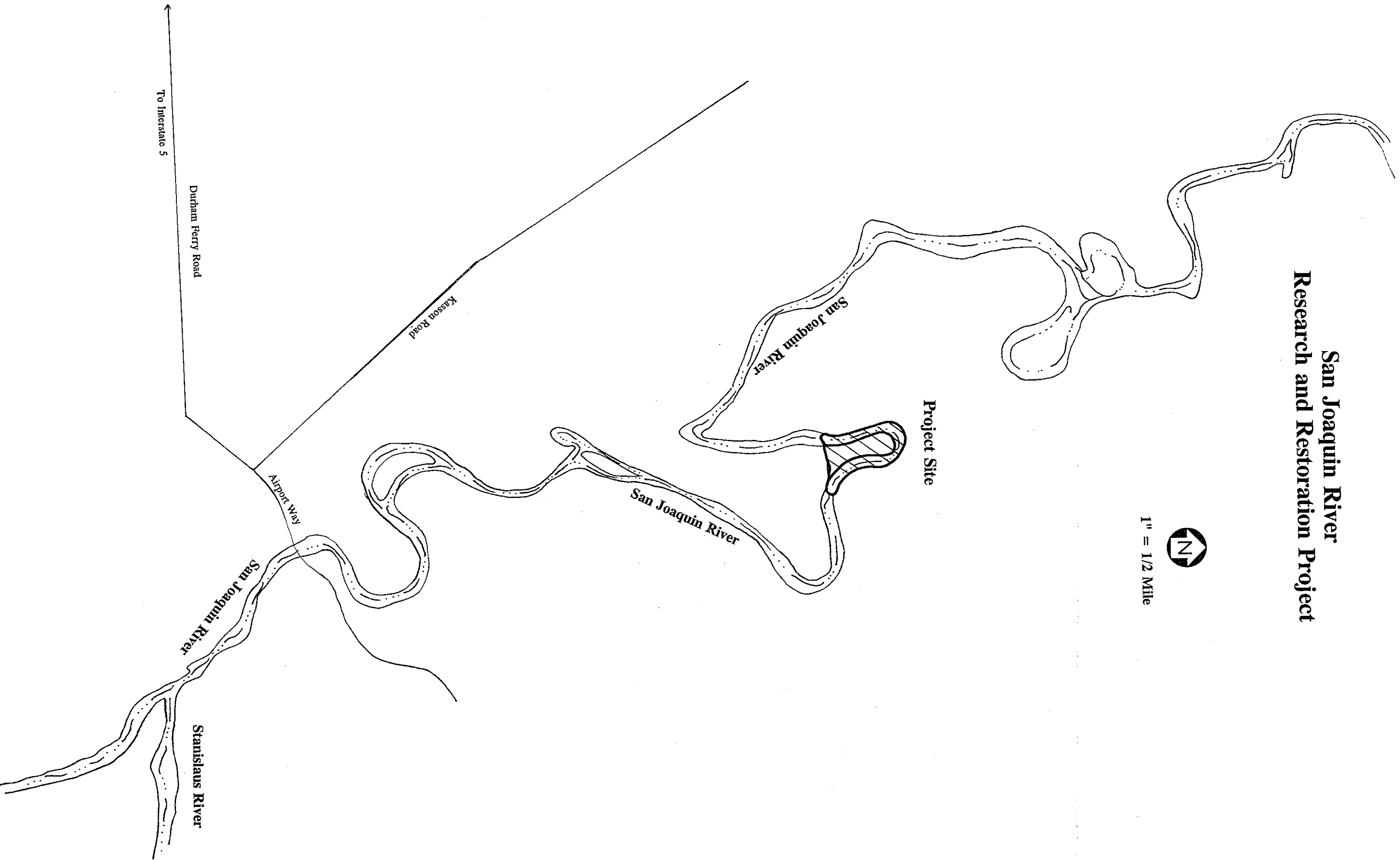
Stanislaus River

Airport Way

Kasson Road

Durham Ferry Road

To Interstate 5



STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

VERNALIS QUADRANGLE  
CALIFORNIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)

STOCKTON 15 MI.  
3.9 MI. TO CALIF. 120

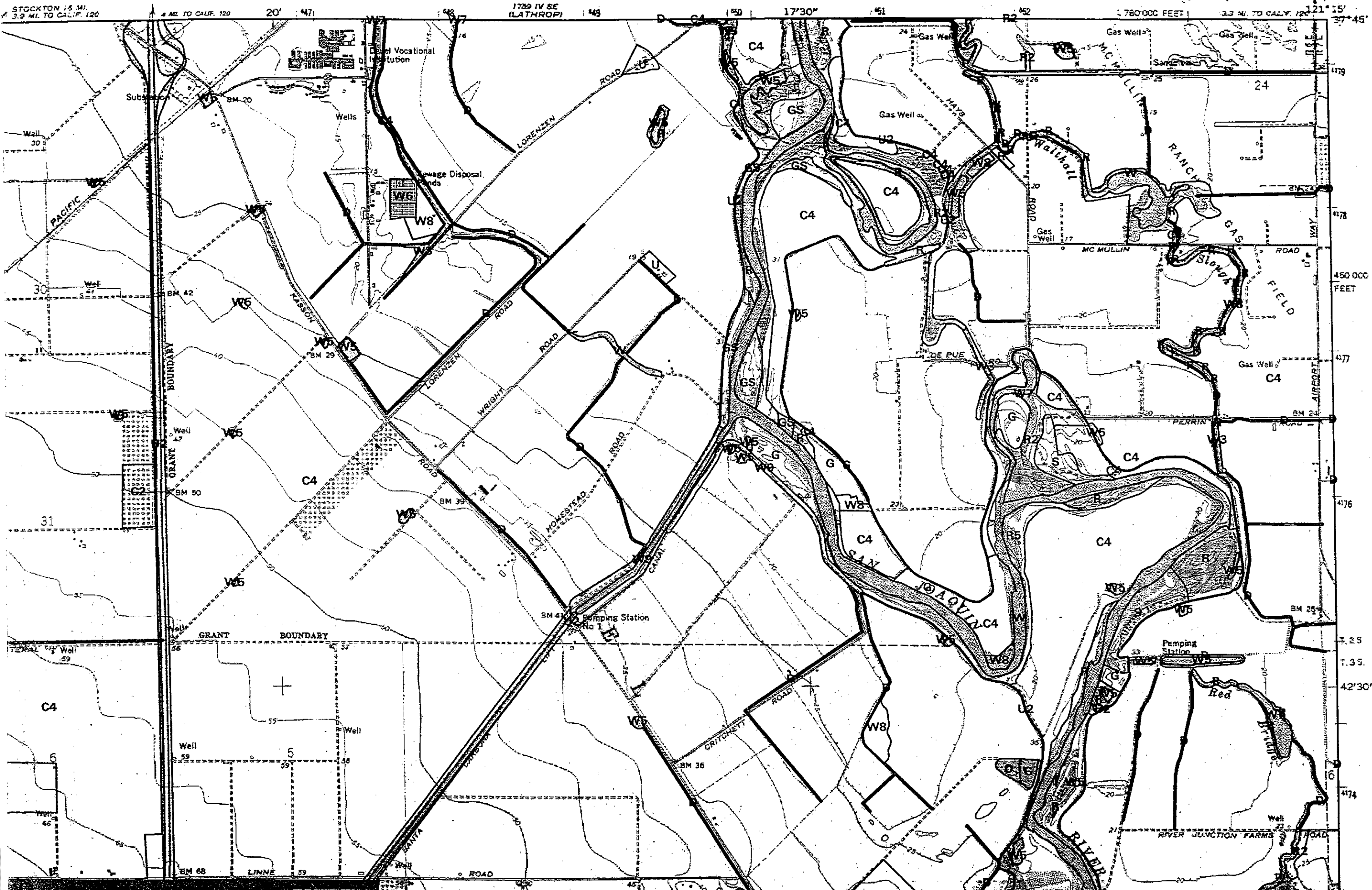
1780 IV SE  
(LATHROP)

1780 000 FEET

3.3 MI. TO CALIF. 120

121° 15'

37° 45'



a monitoring and assessment plan. The monitoring plan will monitor the growth success of vegetation (annual or twice-annual measurements of size and diameter, percentage survival) and occupancy of the site by wildlife (annual, twice annual and seasonal depending upon species) and various other riparian restoration success-related factors (e.g. monitoring water table elevations, frequency of watering, variable sizes of initial plantings versus long-term success, interference by invasive species, compatibility of treatments and management efforts with adjacent agricultural practices, root growth patterns and rates to provide insights into the role of soil texture in root growth, riparian planting success and ability of riparian plants to resist flood scour etc.) It is anticipated that the Phase I plan also will establish thresholds for success for the overall plan (e.g., numbers of target species occupying the site, percentage survivability of vegetation and numbers of successful adaptive management actions resulting in ultimate success). Data gathered prior to and after program implementation will be analyzed for significant differences using an appropriate statistical model and methods. Future Phase II includes implementing the Phase I plan (i.e., installing vegetation). Future Phase III implements the monitoring and assessment plan prepared in Phase I.

#### d. Data Gathering and Storage

Data gathering during Phase I shall be baseline data only (i.e., existing conditions - vegetation density and type, wildlife species distribution). This data shall be gathered on approved field forms which will note, at a minimum: date, time, and location of observation; person collecting data; the nature of the data (e.g., plant or animal species type; way in which habitat is being used by a wildlife species--nesting, roosting, breeding, feeding etc.); vegetation type associated with species use and other information as determined necessary by the riparian restoration advisory panel (See above). Phase II/III Data gathered prior to and after program implementation will be analyzed for significant differences using an appropriate statistical model and methods. A baseline biological resources report shall be produced for the Phase I project. Data shall be incorporated into an electronic database file for future comparison and analysis purposes. Data will be accessible to the public and other interested agencies from the San Joaquin County Council of Governments offices in Stockton.

#### e. Expected Products/Outcomes

Phase I work products will include, at a minimum: 1) a baseline biological resources study summarizing the plant and animal resources on the site and including baseline photos from established photo reference points; 2) a detailed map of the site indicating existing vegetation and wildlife distribution; and 3) a riparian research and restoration plan describing the riparian restoration strategies to be tested on the site; indicating where each technique will be tested; indicating the essential factors being evaluated by each technique and detailed descriptions of each technique; anticipated results; descriptions of the restoration problem attempting to be solved by the technique; description of species which may be benefitted by restoration technique; a cost estimate for implementing, monitoring and evaluating the proposed techniques (including labor, plant and other materials); and a monitoring and assessment strategy for the research and restoration project including monitoring schedules, objectives and costs.

Future Phase II/III work products are anticipated to include 1) annual, twice annual and potentially seasonal data summary reports on the progress of restoration efforts; 2) A yearly monitoring report summary; 3) one or more interim adaptive management reports summarizing failures in restoration techniques and proposed remedies, and 4) a final report assessing the success of the various restoration techniques in comparison to each other and to similar restoration efforts and providing detailed summaries of the most successful restoration techniques. It anticipated that an illustrated riparian restoration guidebook will be produced contrasting successful and unsuccessful restoration strategies which may be easily replicated (or avoided) through use of the handbook.

f. Work Schedule

Completion of the entire project (Phases I-III) is anticipated to take approximately 5 years. This proposed project includes Phase I only. The Phase I work schedule is as follows:

Phase I:

Task	Start Date	Completion Date
1.1 Form Riparian Restoration Advisory Panel	4/01	6/01
1.2 Hire biologist to conduct baseline biological study	6/01	7/01
1.3 Establish riparian research and restoration project scope of work	6/01	10/01
1.4 Send out bid package to qualified firms to design riparian research and restoration project	11/01	1/02
1.5 Consultant begins design of riparian research and restoration project	2/02	12/02
1.6 Consultant reports to riparian restoration advisory panel	4/02	4/02, 7/02, 10/02
1.7 Consultant provides draft baseline riparian research and restoration project	10/02	10/02
1.8 Consultant provides final baseline riparian research and restoration project	12/02	12/02

g. Feasibility No special permits or authorizations are required for the proposed Phase I project. The proposed riparian restoration site is already owned by a non-profit land trust (San Joaquin Open Space and Farmland Trust) and the site already has been designated to be used for the purposes of undertaking riparian restoration efforts. The San Joaquin Open Space and Farmland Trust is in the process of conveying title to the property to the San Joaquin County Council of Governments for this very purpose. However, the proposed project is not contingent upon the completion of the land transfer from the San Joaquin Open Space and Farmland Trust to the San Joaquin County Council of Governments. Access to the site is from public roadways by boat to the island. Access across private property is not required for the project.

The San Joaquin County Council of Governments (COG) already has undertaken a 6-1/2 year process in which it oversaw the preparation of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan involving local, state and federal regulatory agencies and community stakeholders. This process included the formation of both a technical advisory committee and policy advisory committee, preparation of a scope of work, evaluation of proposals and hiring of biological consultants to complete a complicated countywide analysis of biological resources. The proposed riparian research and restoration program, on a much smaller scale, may be completed using many of the COG's existing advisory resources (e.g., technical advisory committee and support staff) already assembled by COG for biological resources management countywide. The Council of Governments is very familiar with San Joaquin County's 100 special status species and the needs of those species. The Council of Governments already has an established rapport with the local agricultural, conservation, local, state and federal regulatory agencies and is well-versed in the special needs and interests of the community which it serves.

The most likely source of project delay is weather. While inclement weather or resulting flooding may delay finalizing baseline biological data, completion of this task is not essential to completing the tasks which follow, thereby allowing at least ten months for completing baseline biological surveys which should be more than sufficient.

## **D. Applicability to CALFED ERP Goals and Implementation Plan and CVPIA Priorities**

### **1. ERP Goals and CVPIA Priorities.**

The proposed project will assist in implementing four CALFED ERP Goals as follows:

Goal 1: *Achieve recovery of at-risk native species dependent on the Delta and Suisun Bay as the first step toward establishing large, self-sustaining populations of these species; support similar recovery of at-risk native species...and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed.*

The proposed project will convert non-native grassland habitat to native habitats and will restore freshwater emergent wetlands, Great Valley riparian forest and Great Valley scrub habitats to functional levels on a 32.1± acre site along the San Joaquin River. This restoration is expected to benefit the following species which are known to occur in close proximity to the project site within the identified habitats: Slough thistle (*Cirsium crassicaule*), Delta button celery (*Eryngium racemosum*), Tricolor blackbird (*Agelaius tricolor*), Great egret (*Ardea alba*), Swainson's hawk - nesting (*Buteo swainsoni*), Yellow warbler (*Dendroica petechia brewsteri*), Black-crowned night heron (*Nycticorax nycticorax*), and the Riparian woodrat (*Neotoma fuscipes riparia*). And, there is a strong likelihood of increasing the chances of long-term survival for the following species which depend on the identified habitats which may be attracted or be re-established in the area: Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*),



Cooper's hawk (*Accipiter cooperi*), Sharp-shinned hawk (*Accipiter striatus*), Western grebe (*Aechmophorus occidentalis*), Great blue heron (*Ardea herodias*), Northern harrier (*Circus cyaneus*), Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*), Snowy egret (*Egretta thula*), White-tailed kite (*Elanus leucurus*), Yellow-breasted chat (*Ictaria virens*), Western pond turtle (*Clemmys marmorata*), and the riparian brush rabbit (*Sylvilagus bachmani riparius*)--dependent upon assessment of the island's flooding history.

Goal 2: *Rehabilitate natural processes in the Bay-Delta system to support, with minimal ongoing human intervention, natural aquatic and associated terrestrial biotic communities, in ways that favor native members of those communities.*

The focus of the proposed project is the restoration of native habitats to functional levels through the identification of successful riparian restoration techniques established through experimentation and adaptive management. Specifically, the project includes the reversion of non-native grasslands back to the adjacent Great Valley Riparian, Great Valley scrub and fresh emergent wetland habitats which are still found, in degraded form, on the project site. The use of existing and pre-existing native species will be emphasized in the restoration efforts.

Goal 4: *Protect or restore functional habitat types throughout the watershed for public values such as recreation, scientific research and aesthetics.*

The proposed project will restore functional habitat types within the watershed through experimentation and adaptive management for the benefit of multiple species.

Goal 5: *Prevent establishment of additional non-native species and reduce the biological and economic impacts of established non-native species.*

Non-native grasses, star thistle and yellow water weed (*Ludwigia* sp.) are known to the project area. Elimination/control of these species is a necessary part of the proposed project if successful riparian restoration is to be achieved. Successful methods for controlling these species will be an integral part of the riparian research and restoration plan. The program also provides for adaptive management which will allow alterations in unsuccessful management techniques until successful mechanisms for controlling these non-natives can be identified. Once identified, successful control mechanisms may be repeated in other riparian restoration activities throughout the ecosystem.

## **2. Relationship to Other Ecosystem Restoration Projects.**

As noted in the project description, the primary purpose of the proposed project is to test various riparian restoration methods to identify the most successful and beneficial restoration methods so that these methods may be reproduced in multiple riparian restoration efforts to be undertaken by the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan. The Plan will result in the acquisition of 100,841 acres of habitat preserves throughout San Joaquin County over the next 50 years. Riparian restoration efforts are anticipated through this project

along the Mokelumne River, Calaveras River, Stanislaus River and San Joaquin River and their tributaries throughout San Joaquin County.

Similarly, the Lower Mokelumne River Watershed Stewardship Plan (LMSP) being undertaken by the San Joaquin County Resource Conservation District already has addressed the need to expand the existing riparian corridor and create a transition between adjacent agricultural lands and the narrow riparian Mokelumne River corridor. Restoration successes and failures of the proposed project will be incorporated into the LMSP's action plan to ensure future success in for restoration efforts of that ecosystem restoration project.

Finally, as noted in preceding summary of CALFED ERP Goals, at least four of CALFED's ecosystem restoration program goals will be partially fulfilled or brought closer to realization through the completion of the proposed project which will provide valuable information on successful and unsuccessful riparian restoration methods.

3. **Requests for Next-Phase Funding.** Not applicable.
4. **Previous Recipients of CALFED or CVPIA Funding.** The San Joaquin County Council of Governments has not previously received CALFED or CVPIA funding.
5. **System-wide ecosystem benefits.** The identification of successful riparian restoration efforts through the proposed project may be applied to other riparian restoration efforts throughout the ecosystem. Please refer to above item #2 (Relationship to other ecosystem restoration efforts).

## **E. Qualifications**

San Joaquin County Council of Governments San Joaquin County's regional planning agency has successfully overseen the preparation of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan for the past 6-1/2 years. Issuance of the SJMSCP Permits from the U.S. Fish and Wildlife Service and the CA Dpt. of Fish and Game is anticipated in 2000. This oversight included formation of technical advisory and policy advisory committees, scoping work for and hiring biological consultants, consensus building, and project oversight. As part of its duties as the Joint Powers Authority for the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan, COG already has acquired 300 acres of grassland habitat for the San Joaquin kit fox in southwestern San Joaquin County. COG has been awarded an Environmental Enhancement and Mitigation Program Grant to secure an additional 150± acres of Swainson's Hawk habitat along the San Joaquin River approximately one mile south of the proposed project site. COG is currently working with the San Joaquin Open Space and Farmland Trust to transfer ownership and long-term management of this project's proposed San Joaquin River island.

Amy Augustine Program Coordinator Amy Augustine has been the project coordinator for the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan since February,

1994. Amy is a biologist and planner with more than 12 years of experience conducting botanical and wildlife surveys. She oversaw the implementation of the Tuolumne County Wildlife Project as a Senior Planner with the Tuolumne County Planning Department for six years before opening a private planning consulting practice in 1994 specializing in resources management. Amy is also the project coordinator for the Lower Mokelumne River Watershed Stewardship Plan and has implemented this CALFED funded program since April, 1999. Amy holds a B.A. in Biological Sciences from California State University, Sacramento, and is a member of the American Institute of Certified Planners (AICP).

## **F. Cost**

**1. Budget.** The total proposed cost of the proposed Phase I project is approximately \$107,150 (including land acquisition costs). CALFED funding requested totals \$59,000. The 32.1± acre project site is being donated to the San Joaquin County Council of Governments with an estimated value of \$48,150. (See attached table, following page)

**2. Cost-sharing.** The San Joaquin Open Space and Farmland Trust is donating a 32.1± acre island in the San Joaquin River to the San Joaquin County Council of Governments for use in this riparian restoration and research project. The estimated value of this donation is at estimated at approximately \$1,500/acre, or \$48,150.

# PROJECT BUDGET

Task	Direct Labor/b/	Direct Salary & Benefits	COG Overhead Assumption 7.5%	Service Contracts	Materials and Acquisitions	Misc. and Other Costs	Total Costs
1.1 Form Advisory Panel	10 hrs.	\$650.00	\$48.75	\$0	\$100	\$100	\$898.75
1.2 Conduct Baseline Biological Survey	80 hrs.	\$5,200.00	\$390.00	\$0	\$100	\$100	\$5,790.00
1.3 Establish Riparian Research and Restoration Project Scope of Work	10 hrs.	\$650.00	\$48.75	\$0	\$100	\$100	\$898.75
1.4 Prepare/Send out bid package to qualified firms to design riparian research and restoration project	20 hrs.	\$1,300.00	\$97.50	\$0	\$100	\$100	\$1,597.50
1.5 Consultant begins design of riparian research and restoration project	5 hrs.	\$325.00	\$24.37	\$10,000.00	\$0	\$0	\$10,349.37
1.6 Consultant reports to riparian restoration advisory panel	5 hrs.	\$325.00	\$24.38	\$500.00	\$0	\$0	\$849.38
1.7 Consultant provides draft baseline riparian research and restoration project	5 hrs.	\$325.00	\$24.37	\$18,000.00	\$0	\$0	\$18,349.37
1.8 Consultant provides final baseline riparian research and restoration project	5 hrs.	\$325.00	\$24.38	\$19,000.00	\$667.50	\$250	\$20,266.88
Project Total	140 Hrs./a/	\$9,100.00	\$682.50	\$47,500.00	\$1067.50	\$650	\$59,000.00

/a/ Burdened Labor Rates: COG HCP Coordinator/Biologist - \$65.00/hr

## **G. Local Involvement**

The San Joaquin County Council of Governments is a regional planning agency. Member agencies of the COG are: the Cities of Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy and the County of San Joaquin.

In addition, the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan's Technical Advisory Committee and Habitat Policy Advisory Committee members have served for 6-1/2 years together to formulate a county-wide biological resources management plan. These entities, representing each city, San Joaquin County, Caltrans, the CA Dpt. of Fish and Game, the U.S. Fish and Wildlife Service, the U.S. Army Corps of Engineers, and local agricultural, conservation, business, land trusts, landowners and other stakeholder interests will be tapped to serve on the riparian research restoration project advisory committee which will have oversight of the project.

## **H. Compliance with Standard Terms and Conditions**

The San Joaquin County Council of Governments has reviewed, understands and is in agreement with the state and federal provisions contained in the PSP, including PSP Attachments D and E. See attached STD 19 - CA, Standard Form 424 - Federal.

## **I. Literature Cited**

San Joaquin County Council of Governments, September 23, 1999. *San Joaquin County Multi-Species Habitat Conservation and Open Space Plan*. Prepared in cooperation with the CA Dpt. of Fish and Game, U.S. Fish and Wildlife Service (Sacramento Office), Cities of Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy; San Joaquin County, and local representatives of Caltrans, East Bay Municipal Utility District, agriculture, conservation, business, land trusts and others. Public release draft.

Toyon Environmental Consultants, Inc. August, 1996. *Biological Analyses - San Joaquin County Multi-Species Habitat Conservation and Open Space Plan*. Prepared for the San Joaquin County Council of Governments.

U.S. Department of Agriculture, et al. (U.S. EPA, Tennessee Valley Authority, Federal Emergency Management Agency, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, U.S. Army Corps of Engineers, U.S. Dpt. of Housing and Urban Development, U.S. Bureau of Land Management, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, National Park Service, U.S. Geological Survey) October, 1998. *Stream Corridor Restoration, Principles, Processes and Practices*. 565± pps.

U.S. Department of Agriculture. *Stream Corridor Inventory and Assessment Techniques - A*

*guide to site, project and landscape approaches suitable for local conservation programs*, Watershed Science Institute Technical Report., September 1999. 30 pps.

- U.S. Department of Agriculture. *Assessing Conditions of Riparian-Wetland Corridors at the Areawide Level Using Proper Functioning Condition (PFC) methodology--an interdisciplinary assessment tool*, Watershed Science Institute Technical Report., September 1999. 15 pps.
- U.S. Department of the Interior, Bureau of Land Management et., al. *Riparian Area Management - Using Aerial Photographs to Assess Proper Functioning Condition of Riparian -Wetland Areas*, 1999. 52 pps.
- U.S. Department of the Interior, Bureau of Land Management et., al. *Riparian Area Management - A Use Guide to Assessing Proper Functioning Condition and the Supporting Science for Lotic Areas*, 1998. 126 pps.

## **J. Threshold Requirements**

See Attached:

Letters of Notification  
Environmental Compliance Checklist  
Land Use Checklist  
Contract Forms - STD 19 (CA), Standard Form 424 (Federal)

## **ATTACHMENTS**



SAN JOAQUIN COUNCIL OF GOVERNMENTS

6 South El Dorado St., Suite 400 • Stockton, California 95202

209.468.3913 • 209.468.1084 (fax)

[www.sjcog.org](http://www.sjcog.org)

May 11, 2000

*John W. Harris*  
CHAIRMAN

*Dan Bilbrey*  
VICE CHAIRMAN

*Julia E. Greene*  
EXECUTIVE DIRECTOR

*Member Agencies*

CITIES OF  
ESCALON,  
LATHROP,  
LODI,  
MANTECA,  
RIPON,  
STOCKTON,  
TRACY,  
AND  
THE COUNTY OF  
SAN JOAQUIN

Lois Sayhoun, Clerk of the Board  
San Joaquin County Board of Supervisors  
Room 701, County Courthouse  
222 E. Weber Ave.  
Stockton, CA 95202

BY FACSIMILE TRANSMISSION (209) 468-3694

**RE: NOTIFICATION OF APPLICATION FOR CALFED FUNDING FOR THE SAN JOAQUIN RIVER RIPARIAN VEGETATION RESEARCH AND RESTORATION PROJECT**

Dear Ms. Sayhoun:

This letter is to inform you that the San Joaquin County Council of Governments is applying for a CALFED grant to undertake the above-captioned project.

The riparian vegetation research and restoration project is planned for a 32.1± acre island within the San Joaquin River located west of Ripon which has been under the ownership of the San Joaquin Open Space and Farmland Trust (Assessor's Parcel Number 241-380-08).

It is anticipated that the project will occur in the following phases: 1) Design a research and restoration program; 2) Begin restoration; and 3) Monitor restoration efforts. The program envisions establishing riparian vegetation under varying conditions on the island to determine the success of various restoration methods and native species and their benefits to special status species and overall ecosystem health. The findings of the project would be used to assist other riparian restoration efforts including those to be undertaken pursuant to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) and the CALFED program.

Please call if you have any questions.

Sincerely,

Julia E. Greene  
Executive Director





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AND  
THE COUNTY OF  
SAN JOAQUIN

Margit Aramburu, Executive Director  
Delta Protection Commission  
P.O. Box 530  
Walnut Grove, CA 95690

BY FACSIMILE TRANSMISSION (916) 776-2293

**RE: NOTIFICATION OF APPLICATION FOR CALFED FUNDING FOR THE SAN JOAQUIN RIVER RIPARIAN VEGETATION RESEARCH AND RESTORATION PROJECT**

Dear Ms. Aramburu:

This letter is to inform you that the San Joaquin County Council of Governments is applying for a CALFED grant to undertake the above-captioned project.

The riparian vegetation research and restoration project is planned for a 32.1± acre island within the San Joaquin River located west of Ripon which has been under the ownership of the San Joaquin Open Space and Farmland Trust (Assessor's Parcel Number 241-380-08).

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Please call if you have any questions.

Sincerely,

Julia E. Greene  
Executive Director



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AND  
THE COUNTY OF  
SAN JOAQUIN

May 11, 2000

Ben Hulse, Community Development Director  
San Joaquin County Community Development Department  
1810 E. Hazelton Ave.  
Stockton, CA 95202

BY FACSIMILE TRANSMISSION (209) 468-3163

**RE: NOTIFICATION OF APPLICATION FOR CALFED FUNDING FOR THE SAN JOAQUIN RIVER RIPARIAN VEGETATION RESEARCH AND RESTORATION PROJECT**

Dear Mr. Hulse:

This letter is to inform you that the San Joaquin County Council of Governments is applying for a CALFED grant to undertake the above-captioned project.

The riparian vegetation research and restoration project is planned for a 32.1± acre island within the San Joaquin River located west of Ripon which has been under the ownership of the San Joaquin Open Space and Farmland Trust (Assessor's Parcel Number 241-380-08).

It is anticipated that the project will occur in the following phases: 1) Design a research and restoration program; 2) Begin restoration; and 3) Monitor restoration efforts. The program envisions establishing riparian vegetation under varying conditions on the island to determine the success of various restoration methods and native species and their benefits to special status species and overall ecosystem health. The findings of the project would be used to assist other riparian restoration efforts including those to be undertaken pursuant to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) and the CALFED program.

Please call if you have any questions.

Sincerely,

Julia E. Greene  
Executive Director

## Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?

\_\_\_\_\_  
YES

\_\_\_\_X\_\_\_\_ (Phase I)  
NO

NOTE: Future Phase II/III will require

2. If you answered yes to # 1, identify the lead governmental agency for CEQA/NEPA compliance.

\_\_\_\_\_  
Lead Agency

3. If you answered no to # 1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

Action is planning and project design only, no implementation for Phase I.

4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws. Describe where the project is in the compliance process and the expected date of completion.

5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

NO.

\_\_\_\_\_  
YES

\_\_\_\_X\_\_\_\_  
NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

6. Please indicate what permits or other approvals may be required for the activities contained in your proposal. Check all boxes that apply.

**LOCAL**

Conditional use permit	_____
Variance	_____
Subdivision Map Act approval	_____
Grading permit	_____
General plan amendment	_____
Specific plan approval	_____
Rezone	_____
Williamson Act Contract	_____
cancellation	_____
Other _____	
(please specify)	
None required	<u>X</u> (Phase I)

**STATE**

CESA Compliance	_____	(CDFG)
Streambed alteration permit	_____	(CDFG)
CWA § 401 certification	_____	(RWQCB)
Coastal development permit	_____	(Coastal Commission/BCDC)
Reclamation Board approval	_____	
Notification	_____	(DPC, BCDC)
Other _____		
(please specify)		
None required	<u>X</u>	(Phase I)

**FEDERAL**

ESA Consultation	_____	(USFWS)
Rivers & Harbors Act permit	_____	(ACOE)
CWA § 404 permit	_____	(ACOE)
Other _____		
(please specify)		
None required	<u>X</u>	(Phase I)

DPC = Delta Protection Commission

CWA = Clean Water Act

CESA = California Endangered Species Act

USFWS = U.S. Fish and Wildlife Service

ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act

CDFG = California Department of Fish and Game

RWQCB = Regional Water Quality Control Board

BCDC = Bay Conservation and Development Comm.

# Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do the actions in the proposal involve physical changes to the land(i.e. grading, planting vegetation, or breeching levees) or restrictions in land use (i.e. conservation easement or placement of land in a wildlife refuge)?

\_\_\_\_\_  
YES X (Phase I)  
NO

NOTE: Yes for future Phase II/III

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).

Planning/Design of research and restoration project (Phase I). Phase II (future) will include implementation

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

N/A

4. If YES to # 1, is the land currently under a Williamson Act contract?

\_\_\_\_\_  
YES NO

5. If YES to # 1, answer the following:

Current land use	None
Current zoning	AG-40
Current general plan designation	AG

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

\_\_\_\_\_  
YES NO DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

\_\_\_\_\_

8. If YES to # 1, is the property currently being commercially farmed or grazed?

\_\_\_\_\_  
YES NO

9. If YES to #8, what are

the number of employees/acre \_\_\_\_\_  
the total number of employees \_\_\_\_\_

10. Will the applicant acquire any interest in land under the proposal (fee title or a conservation easement)?

X  
YES (fee title)

NO

11. What entity/organization will hold the interest? San Joaquin County Council of Governments

12. If YES to # 10, answer the following:

Total number of acres to be acquired under proposal

approx. 32.1 acres

Number of acres to be acquired in fee

approx. 32.1 acres

Number of acres to be subject to conservation easement

0

13. For all proposals involving physical changes to the land or restriction in land use, describe what entity or organization will:

manage the property

\_\_\_\_\_

provide operations and maintenance services

\_\_\_\_\_

conduct monitoring

\_\_\_\_\_

14. For land acquisitions (fee title or easements), will existing water rights also be acquired?

X (Probable)  
YES

NO

15. Does the applicant propose any modifications to the water right or change in the delivery of the water?

YES

X  
NO

16. If YES to # 15, describe \_\_\_\_\_

**NONDISCRIMINATION COMPLIANCE STATEMENT**STD. 19 (REV. 3-95) **FAC**

COMPANY NAME

San Joaquin County Council of Governments

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

**CERTIFICATION**

*I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.*

Andrew J. Chesley

OFFICIAL'S NAME

DATE EXECUTED

5/11/00

EXECUTED IN THE COUNTY OF

San Joaquin

PROSPECTIVE CONTRACTOR'S SIGNATURE

Unknown

PROSPECTIVE CONTRACTOR'S TITLE

Unknown

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Unknown





# APPLICATION FOR FEDERAL ASSISTANCE

OMB Approval No. 0348-0043

<b>1. TYPE OF SUBMISSION:</b> Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		<b>2. DATE SUBMITTED</b> 5/14/00	Applicant Identifier
<b>3. DATE RECEIVED BY STATE</b>		State Application Identifier	
<b>4. DATE RECEIVED BY FEDERAL AGENCY</b>		Federal Identifier	

**5. APPLICANT INFORMATION**

<b>Legal Name:</b> <u>San Joaquin County Council of Governments</u> <b>Address (give city, county, State, and zip code):</b> <u>6 S. El Dorado St., Suite 400</u> <u>Stockton, CA 95202</u>	<b>Organizational Unit:</b> <u>N/A</u> <b>Name and telephone number of person to be contacted on matters involving this application (give area code)</b> <u>Jerry Park - (209) 468-3913</u>
---	--

**6. EMPLOYER IDENTIFICATION NUMBER (EIN):**  
68-0352091

**7. TYPE OF APPLICANT: (enter appropriate letter in box)**  

<input checked="" type="checkbox"/> A. State <input type="checkbox"/> B. County <input type="checkbox"/> C. Municipal <input type="checkbox"/> D. Township <input type="checkbox"/> E. Interstate <input type="checkbox"/> F. Intermunicipal <input type="checkbox"/> G. Special District	<input type="checkbox"/> H. Independent School Dist. <input type="checkbox"/> I. State Controlled Institution of Higher Learning <input type="checkbox"/> J. Private University <input type="checkbox"/> K. Indian Tribe <input type="checkbox"/> L. Individual <input type="checkbox"/> M. Profit Organization <input type="checkbox"/> N. Other (Specify) <u>Regional County Planning Agency</u>
---	--

**8. TYPE OF APPLICATION:**  
☒ New    ☐ Continuation    ☐ Revision  
 If Revision, enter appropriate letter(s) in box(es)    ☐ ☐  
 A. Increase Award    B. Decrease Award    C. Increase Duration  
 D. Decrease Duration    Other(specify): \_\_\_\_\_

**9. NAME OF FEDERAL AGENCY:**  
CALEED

**10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:**  
XX-XXXX  
**TITLE:** \_\_\_\_\_

**11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:**  
San Joaquin River Research and Riparian Restoration Project

**12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.):**  
San Joaquin County

<b>13. PROPOSED PROJECT</b> Start Date    Ending Date <u>4/01</u> <u>12/02</u>	<b>14. CONGRESSIONAL DISTRICTS OF:</b> a. Applicant <u>11th Richard Pombo</u> <u>18th Gary A. Condit</u>
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<b>15. ESTIMATED FUNDING:</b> <table style="width:100%;"> <tr> <td style="width:20%;">a. Federal</td> <td style="width:10%;">\$</td> <td style="width:10%;">00</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td>b. Applicant</td> <td>\$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>c. State</td> <td>\$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>d. Local</td> <td>\$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>e. Other</td> <td>\$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>f. Program Income</td> <td>\$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>g. TOTAL</td> <td>\$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	a. Federal	\$	00							b. Applicant	\$								c. State	\$								d. Local	\$								e. Other	\$								f. Program Income	\$								g. TOTAL	\$								<b>16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?</b> a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____ b. No. <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW
a. Federal	\$	00																																																														
b. Applicant	\$																																																															
c. State	\$																																																															
d. Local	\$																																																															
e. Other	\$																																																															
f. Program Income	\$																																																															
g. TOTAL	\$																																																															

**17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?**  
☐ Yes    If "Yes," attach an explanation.    ☒ No

**18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.**

<b>a. Type Name of Authorized Representative</b> <u>Andrew T. Chesley</u>	<b>b. Title</b> <u>Dpty. Executive Director</u>	<b>c. Telephone Number</b> <u>(209) 468-3913</u>
<b>d. Signature of Authorized Representative</b> <u>Andrew T. Chesley</u>	<b>e. Date Signed</b> <u>5/11/00</u>	

## INSTRUCTIONS FOR THE SF-424

Public reporting burden for this collection of information is estimated to average 45 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

This is a standard form used by applicants as a required facesheet for preapplications and applications submitted for Federal assistance. It will be used by Federal agencies to obtain applicant certification that States which have established a review and comment procedure in response to Executive Order 12372 and have selected the program to be included in their process, have been given an opportunity to review the applicant's submission.

- | Item: | Entry:  | Item: | Entry:   |
|-------|---|-------|--|
| 1.    | Self-explanatory.   | 12.   | List only the largest political entities affected (e.g., State, counties, cities).   |
| 2.    | Date application submitted to Federal agency (or State if applicable) and applicant's control number (if applicable).   | 13.   | Self-explanatory.  |
| 3.    | State use only (if applicable).   | 14.   | List the applicant's Congressional District and any District(s) affected by the program or project.  |
| 4.    | If this application is to continue or revise an existing award, enter present Federal identifier number. If for a new project, leave blank.   | 15.   | Amount requested or to be contributed during the first funding/budget period by each contributor. Value of in-kind contributions should be included on appropriate lines as applicable. If the action will result in a dollar change to an existing award, indicate <u>only</u> the amount of the change. For decreases, enclose the amounts in parentheses. If both basic and supplemental amounts are included, show breakdown on an attached sheet. For multiple program funding, use totals and show breakdown using same categories as item 15. |
| 5.    | Legal name of applicant, name of primary organizational unit which will undertake the assistance activity, complete address of the applicant, and name and telephone number of the person to contact on matters related to this application.  | 16.   | Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the State intergovernmental review process.  |
| 6.    | Enter Employer Identification Number (EIN) as assigned by the Internal Revenue Service.   | 17.   | This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans and taxes.  |
| 7.    | Enter the appropriate letter in the space provided.   | 18.   | To be signed by the authorized representative of the applicant. A copy of the governing body's authorization for you to sign this application as official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.)  |
| 8.    | Check appropriate box and enter appropriate letter(s) in the space(s) provided:<br><br>-- "New" means a new assistance award.<br><br>-- "Continuation" means an extension for an additional funding/budget period for a project with a projected completion date.<br><br>-- "Revision" means any change in the Federal Government's financial obligation or contingent liability from an existing obligation. |       |  |
| 9.    | Name of Federal agency from which assistance is being requested with this application.  |       |  |
| 10.   | Use the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested.   |       |  |
| 11.   | Enter a brief descriptive title of the project. If more than one program is involved, you should append an explanation on a separate sheet. If appropriate (e.g., construction or real property projects), attach a map showing project location. For preapplications, use a separate sheet to provide a summary description of this project.   |       |  |

## STANDARD CLAUSES - CONTRACTS WITH PUBLIC ENTITIES

**Workers' Compensation Clause.** Contractor affirms that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and Contractor affirms that it will comply with such provisions before commencing the performance of the work under this contract.

**Nondiscrimination Clause.** During the performance of this contract, the recipient, Contractor and its subcontractors shall not deny the contract's benefits to any person on the basis of religion, color, ethnic group identification, sex, age, physical or mental disability, nor shall they discriminate unlawfully against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, mental disability, medical condition, marital status, age (over 40), or sex. Contractor shall insure that the evaluation and treatment of employees and applicants for employment are free of such discrimination. Contractor shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12900 et seq.), the regulations promulgated thereunder (California Administrative Code, Title 2, Sections 7285.0 et seq.), the provisions of Article 9.5, Chapter 1, Part 1, Division 3, Title 2 of the Government Code (Government Code Sections 11135 - 11139.5), and the regulations or standards adopted by the awarding State agency to implement such article. Contractor or recipient shall permit access by representatives of the Department of Fair Employment and Housing and the awarding State agency upon reasonable notice at any time during the normal business hours, but in no case less than 24 hours' notice, to such of its books, records, accounts, other sources of information and its facilities as said Department or Agency shall require to ascertain compliance with this clause. Recipient, Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. The Contractor shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the contract.

**Availability of Funds.** Work to be performed under this contract is subject to availability of funds through the State's normal budget process.

**Audit Clause.** For contracts in excess of \$10,000, the contracting parties shall be subject to the examination and audit of the State Auditor for a period of three years after final payment under the contract. (Government Code Section 8546.7).

**Payment Retention Clause.** Ten percent of any progress payments that may be provided for under this contract shall be withheld per Public Contract Code Sections 10346 and 10379 pending satisfactory completion of all services under the contract.

**Reimbursement Clause.** If applicable, travel and per diem expenses to be reimbursed under this contract shall be at the same rates the State provides for unrepresented employees in accordance with the provisions of Title 2, Chapter 3, of the California Code of Regulations. Contractor's designated headquarters for the purpose of computing such expenses shall be: \_\_\_\_\_.

**Drug-Free Workplace Certification.** By signing this contract, the Contractor or grantee hereby certifies under penalty of perjury under the laws of the State of California that the Contractor or grantee will comply with the requirements of the Drug-Free Workplace Act of 1990 (Government Code Section 8350 et seq.) and will provide a drug-free workplace by taking the following actions:

1. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations.
2. Establish a Drug-Free Awareness Program to inform employees about all of the following:
  - (a) The dangers of drug abuse in the workplace.
  - (b) The person's or organization's policy of maintaining a drug-free workplace.
  - (c) Any available counseling, rehabilitation and employee assistance programs, and
  - (d) Penalties that may be imposed upon employees for drug abuse violations.
3. Every employee who works on the proposed contract or grant:
  - (a) Will receive a copy of the company's drug-free policy statement, and
  - (b) Will agree to abide by terms of the company's statement as a condition of employment on the contract or grant.

This contract or grant may be subject to suspension of payments or termination, or both, and the Contractor or grantee may be subject to debarment if the department determines that: (1) the Contractor or grantee has made a false certification, or (2) the Contractor or grantee violates the certification by failing to carry out the requirements noted above.

**Americans With Disabilities Act.** By signing this contract, Contractor assures the State that it complies with the Americans With Disabilities Act (ADA) of 1990, (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA.

**Former State Employees:** a) For the two-year period from the date he or she left State employment, no former State officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements or any part of the decision-making process relevant to the contract while employed in any capacity by any State agency. b) For the twelve-month period from the date he or she left State employment, no former State officer or employee may enter into a contract with any State agency if he or she was employed by that State agency in a policy-making position in the same general subject area as the proposed contract within the twelve-month period prior to his or her leaving State service.



State of California

DEPARTMENT OF WATER RESOURCES

The Resources Agency

Agreement No. \_\_\_\_\_

Exhibit \_\_\_\_\_

## ADDITIONAL STANDARD CLAUSES

**Recycled Materials.** Contractor hereby certifies under penalty of perjury that \_\_\_\_ (enter value or "0" here) percent of the materials, goods and supplies offered or products used in the performance of this Agreement meets or exceeds the minimum percentage of recycled material as defined in Sections 12161 and 12200 of the Public Contract Code.

**Severability.** If any provision of this Agreement is held invalid or unenforceable by any court of final jurisdiction, it is the intent of the parties that all other provisions of this Agreement be construed to remain fully valid, enforceable, and binding on the parties.

**Governing Law.** This Agreement is governed by and shall be interpreted in accordance with the laws of the State of California.

**Y2K Language.** The Contractor warrants and represents that the goods or services sold, leased, or licensed to the State of California, its agencies, or its political subdivisions, pursuant to this Agreement are "Year 2000 compliant." For purposes of this Agreement a good or service is Year 2000 compliant if it will continue to fully function before, at, and after the Year 2000 without interruption and, if applicable, with full ability to accurately and unambiguously process, display, compare, calculate, manipulate, and otherwise utilize date information. This warranty and representation supersedes all warranty disclaimers and limitations and all limitations on liability provided by or through the Contractor.

**Child Support Compliance Act.** For any Agreement in excess of \$100,000, the Contractor acknowledges in accordance therewith, that:

1. The Contractor recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with Section 5200) of Part 5 of Division 9 of the Family Code; and
2. The Contractor, to the best of its knowledge, is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.

